

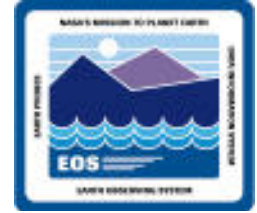
Request Priority/Change

Michael Burnett

mburnett@eos.hitc.com

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ECS Release B 3DR - SDSRV Detailed Design - Event Trace



Changing a Request Priority 4.5.9

- **Scenario Purpose**

- Demonstrate how the priority for a request is changed

- **Scenario Results**

- If the request is queued, priority for that request is changed

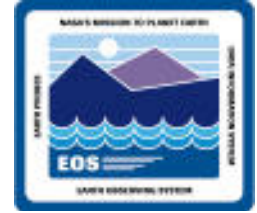
- If the request is active, the priority for executing p-thread(s) is not changed

- **Design Topics Addressed**

- IDR B RID #5 Meeting

- Action Item 26 - How do Priorities in Data Server Allow Management of Limited Resources?

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Changing a Request Priority 4.5.9 (cont.)

•Preconditions

- The user has selected a request for which the priority is to be changed.

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•Events

- “client” application invokes the SetPriority method.
- DsShSRequest invokes the SetPriority method to pass the change priority request to the server.
- ShSRequestReal queries MsAcUserProfile class to get information about the user's group.
- DsShSRequest queries EcPfConfigFile to get the thread priority value, based on user class and specified priority for the CPU resources
- DsShRequestReal invokes DCEPthread to reset the priority for the request belonging to the user and to start the threads as appropriate.

[illegible]